

# Climate Initiatives Task Force

AGRICULTURE, FORESTRY, CONSERVATION & WASTE COMMITTEE  
MAY MEETING

LINDSAY COOPER



GOVERNOR'S  
OFFICE OF  
COASTAL  
ACTIVITIES

# Agenda

**I. Call to Order**

**II. Roll Call**

**III. Welcome and Opening Remarks**—*Karen Gautreaux, The Nature Conservancy, and Joey Breaux, Louisiana Department of Agriculture and Forestry*

**IV. Approval of Minutes**

**V. Action Proposals Overview for the Agriculture, Forestry, Conservation, and Waste Sector**—*Lindsay Cooper, Office of the Governor*

**VI. Working Session on Organizing, Refining, and Gap Filling Sector Actions**—*Committee Members*

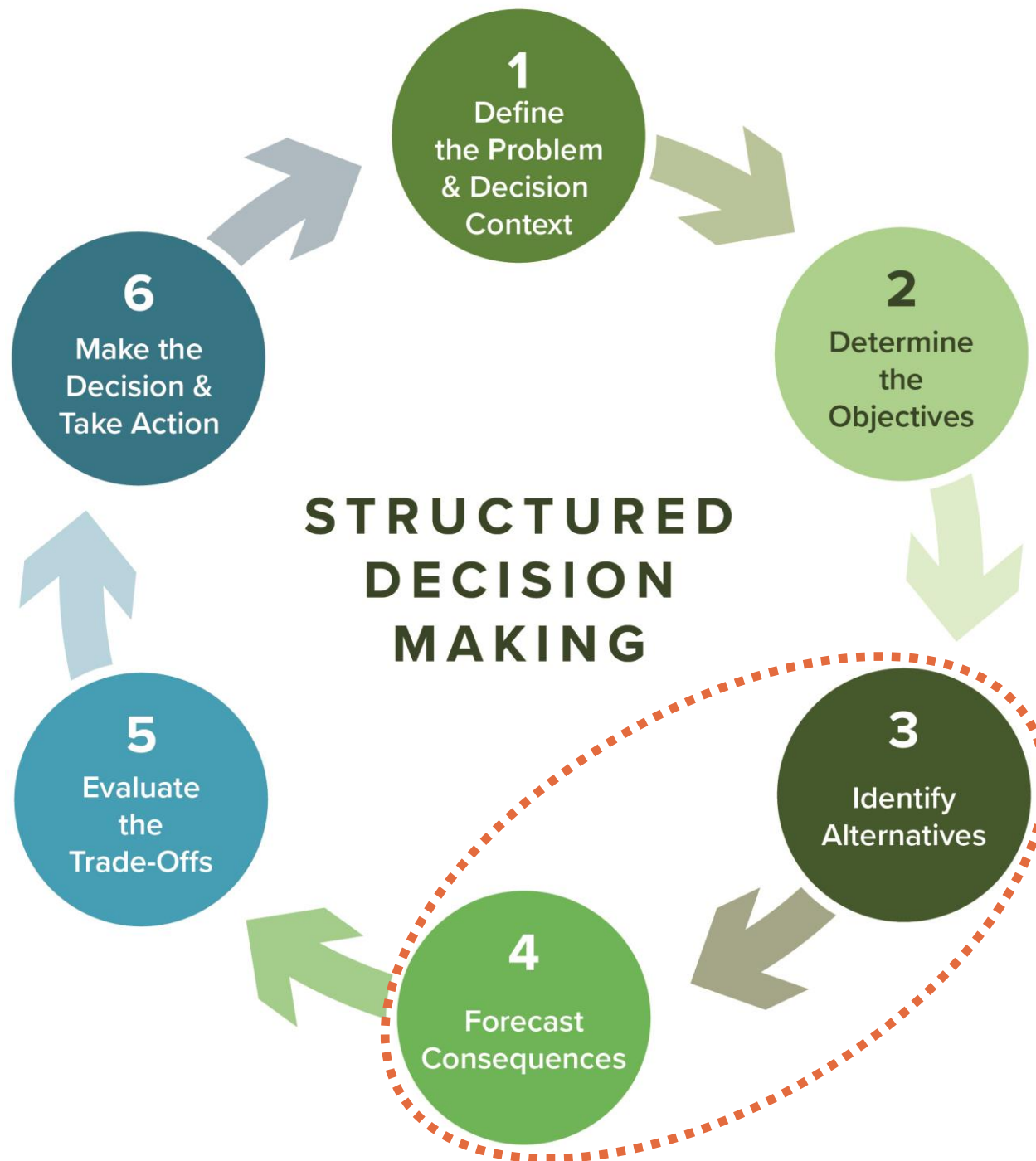
**VII. Next Steps**—*Lindsay Cooper, Office of the Governor, and Committee Members*

**VIII. Public Comment**

**IX. Adjourn**

# Desired outcomes for this meeting

1. Discuss action proposals received relating to this sector
2. Highlight interesting ideas and areas for further focus
3. Provide advice to planning team on how to gap fill, organize, refine, and improve actions from here.



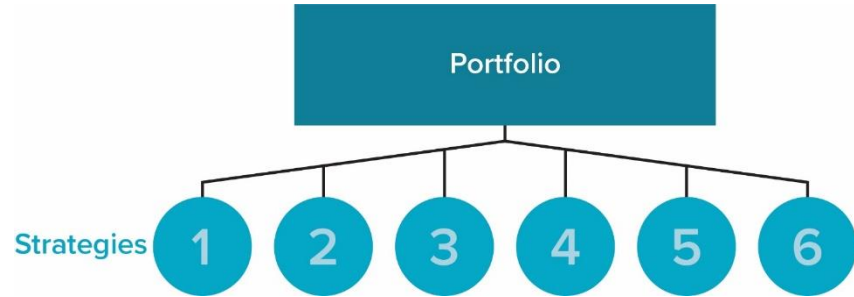
# 169 Action Ideas Received

- 40 – Agriculture, Forestry, Conservation, Waste
- 34 – Land Use, Buildings, Housing
- 36 – Transportation
- 63 – Power
- 49 – Manufacturing and Industry
- 31 – Mining and Oil & Gas
- 23 – Cross-Sector

□	Action Name	Sector Emissions Addressed	Sector Committee	GHG Targeted	Action Timeframe
7	Curtail and capture agricultural GHG emissions through voluntary, ...	Agriculture Conservation Fore	AFCW	Carbon Dioxide Methane	Long Term (>10 years)
8	Support Composting and gardening efforts to reduce GHG	Agriculture Waste	AFCW	Carbon Dioxide Methane	Short Term (0-5 years)
9	Conversion of CO2 into stable, marketable compounds	Land Use Manufacturing & Indus	MI MOG	Carbon Dioxide	Short Term (0-5 years)
10	Conversion of CO2 into green Methane	Manufacturing & Industry Mining	MI MOG POWER	Carbon Dioxide	Short Term (0-5 years)
11	Clearing up regulatory barriers that govern carbon capture and seq...	Oil & Gas	MI MOG	Carbon Dioxide	Short Term (0-5 years)
12	Support a National Carbon Price Policy	Agriculture Buildings & Housing	Cross	Carbon Dioxide	Short Term (0-5 years)
13	Develop a Plan and Partners for Modular Nuclear Power Pilot Progra...	Buildings & Housing Land Use	POWER LUBH	Carbon Dioxide Methane	Medium Term (5-10 years)
14	Cover the Superdome roof in solar panels	Power	POWER LUBH	Carbon Dioxide Methane	Short Term (0-5 years)
15	Equal Opportunity for Landowners of Louisiana and Government Ac...	Agriculture Land Use Manufac	POWER LUBH AFCW	Carbon Dioxide Methane	Short Term (0-5 years)
16	Increase the Development and Use of Renewable Natural Gas (RNG)	Agriculture Buildings & Housing	AFCW TR MOG MI	Carbon Dioxide Methane	Short Term (0-5 years)
17	An alternative for reducing climate change emissions for diesel and ...	Oil & Gas Transportation	TR	Carbon Dioxide	Short Term (0-5 years)
18	Banning Gas powered vehicles to be sold by 2030	Power Transportation	TR	Carbon Dioxide Nitrous O	Medium Term (5-10 years)
19	Reduction of Agricultural Methane Emissions through Ruminant Fee...	Agriculture	AFCW	Methane	Medium Term (5-10 years)
20	1. Increased energy efficiency programs in state. 2. Example of majo...	Buildings & Housing	LUBH POWER	Carbon Dioxide	Short Term (0-5 years)
21	Elimination of tax exemptions for petrochemical industry	Manufacturing & Industry	MI	Carbon Dioxide Methane	Short Term (0-5 years)
22	Create a statewide framework and authority to guide land use practi...	Agriculture Buildings & Housing	LUBH AFCW TR	Carbon Dioxide Methane	Short Term (0-5 years)
23	Reduce greenhouse gas (GHG) emissions and create economic activ...	Agriculture Buildings & Housing	LUBH Cross	Carbon Dioxide Methane	Medium Term (5-10 years)
24	Develop a model solar ordinance for adoption by local government...	Land Use Manufacturing & Indus	LUBH POWER	Carbon Dioxide Methane	Short Term (0-5 years)
25	Cargo hold wash water disposal	Transportation Waste	TR MI AFCW	Carbon Dioxide Methane	Short Term (0-5 years)
26	Fuel Additive: increases efficiency reduces emissions	Agriculture Buildings & Housing	TR	Carbon Dioxide Nitrous O	Short Term (0-5 years)
27	Provide the Training Necessary to Support the Growth of the Local ...	This Action does not directly re...	POWER Cross	N/A	Short Term (0-5 years) Me
28	Biocarbon Distribution for Increased Crop Yield and Permanent Car...	Agriculture Manufacturing & Ind	AFCW	Carbon Dioxide Methane	Short Term (0-5 years)
29	Expand Broadband Access to Reduce Travel	Transportation	TR LUBH	Carbon Dioxide Nitrous O	Long Term (>10 years)
30	Utilization of low-value forest based fiber to effect positive carbon o...	Forestry Land Use Power	POWER AFCW	Carbon Dioxide	Short Term (0-5 years)
31	Expand Availability of Alternative Fuels	Land Use Oil & Gas Power	TR POWER	Carbon Dioxide Methane	Short Term (0-5 years) Lon
32	Convert State vehicles to electric	Transportation	TR	Carbon Dioxide Methane	Short Term (0-5 years)
33	Decarbonizing Louisiana Through Electrification	Buildings & Housing Conservat	TR MI POWER LUBH	Carbon Dioxide Methane	Long Term (>10 years)
34	Reviewing expansion of extractive industries in the state. Moving to ...	Land Use Oil & Gas Waste	MI MOG	N/A	Short Term (0-5 years) Me
35	Provide market driven strategies to keep forest land forested and e...	Buildings & Housing Conservat	AFCW	Carbon Dioxide	Short Term (0-5 years)
36	Reduce Idling and Poor Driving of Publicly Owned Vehicles	Transportation	TR	Carbon Dioxide	Short Term (0-5 years)
37	Provide outreach and education on GHG mitigation to timberland o...	Agriculture Conservation Fore	AFCW	Carbon Dioxide	Short Term (0-5 years)
38	Poultry Litter Distribution	Agriculture Conservation Fore	AFCW	Carbon Dioxide Methane	Short Term (0-5 years) Me
39	Convert Public Fleet to Alternative Fuels	Land Use Power Transportatio	TR	Carbon Dioxide Methane	Short Term (0-5 years) Me
40	Green Land/lawn care	Buildings & Housing Land Use	AFCW	Carbon Dioxide	Short Term (0-5 years)
41	Louisiana Irrigation and Dewatering Pump Conversion for Emissions...	Agriculture Conservation Pow	AFCW	Carbon Dioxide Nitrous O	Long Term (>10 years)
42	Louisiana Conservation Delivery Program	Agriculture Conservation Fore	AFCW	Carbon Dioxide Methane	Short Term (0-5 years) Me
43	State Climate Mitigation Program for landowners	Agriculture Buildings & Housing	AFCW	Carbon Dioxide Methane	Short Term (0-5 years) Me
44	Promote Transportation-Related Energy Conservation in the Public ...	Transportation	TR	Carbon Dioxide Nitrous O	Medium Term (5-10 years)

# We are doing **two rounds** of consequence analyses:

## Round 1: NOW

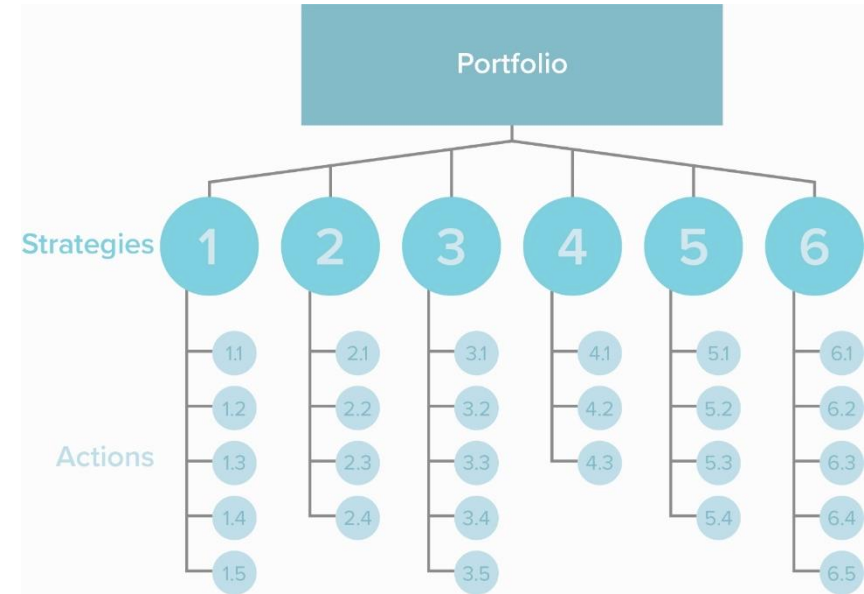


### Strategy Portfolios:

big-picture view of the future  
through hypothetical  
emission reduction scenarios

\* *A **Portfolio** is a set of strategies and/or actions*

## Round 2: Aug-Sept



### Action Portfolios:

refine with the specific details  
of policies and programs being  
proposed through this process

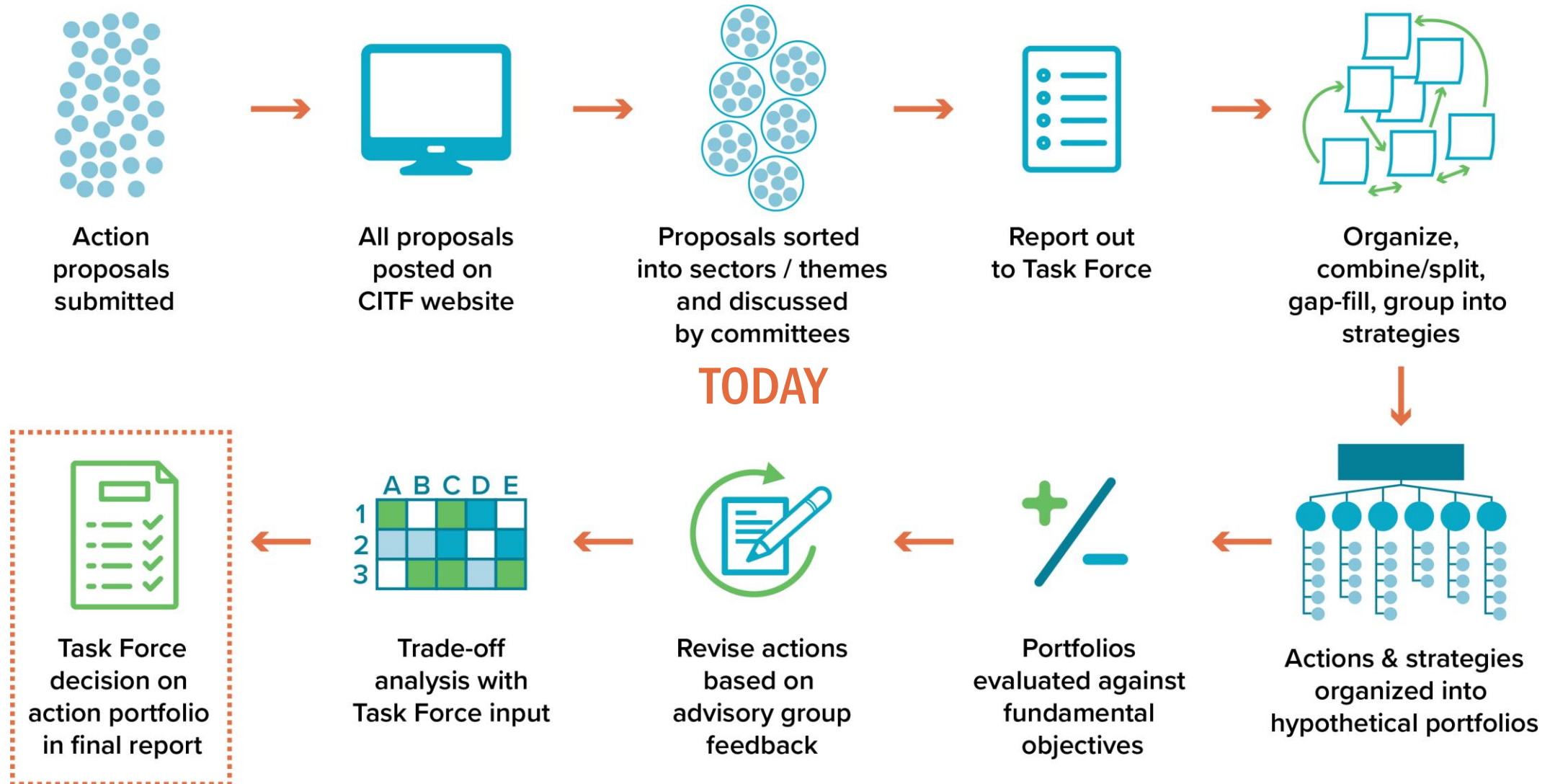


# Hypothetical Portfolios of Strategies



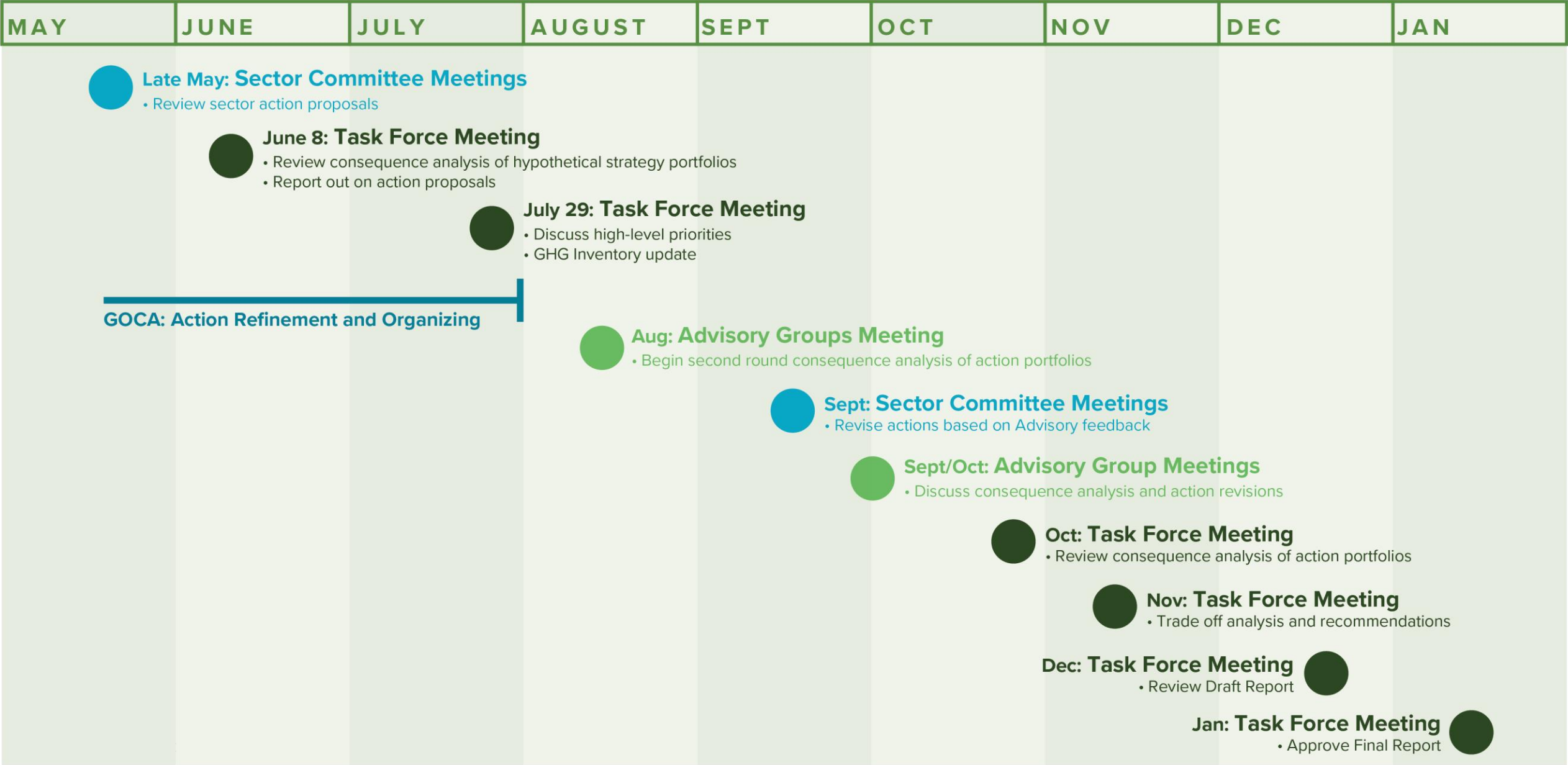
- Each portfolio represents a high-level **hypothetical** future scenario, organized around “**turning up the dial**” on specific kinds of strategies
- No portfolio alone will get Louisiana to net-zero emissions
- Goal of this **big-picture evaluation** is to understand the maximum benefits or limitations of particular approaches as well as provide insight into the various impacts on the people, environment, and economy of Louisiana

# Where do we go from here?





# Meeting Timeline



# Action Proposals: Agriculture, Forestry, Conservation, and Waste

# Categories of Sector Actions

- AGRICULTURE BEST PRACTICES
- EQUIPMENT UPGRADES
- FORESTRY & FOREST MANAGEMENT
- CONSERVATION & LAND USE
- COASTAL RESTORATION & BLUE CARBON
- FINANCING APPROACHES
- WASTE
- FUELS

# AGRICULTURE BEST PRACTICES

- **Louisiana Conservation Delivery Program.** *LDAF Office of Soil and Water Conservation*
- **Louisiana State Conservation Innovation Program - Incentive Based Tools.** *LDAF Office of Soil and Water Conservation, USDA-NRCS, LSU Ag Center*
- **Create Office of Sustainable Agriculture within the Louisiana Department of Agriculture and Forestry.** *Gulf South for a Green New Deal Policy Table*
- **Curtail and capture agricultural GHG emissions through voluntary, market-incentive based strategies.** *Benson Langlinais, Ron Harrell*
- **Biocarbon Distribution for Increased Crop Yield and Permanent Carbon Sequestration.** *American Biocarbon CT, LLC*
- **Reduction of agricultural methane emissions through ruminant feeding supplements.** *LDAF Office of Soil and Waste Conservation*
- **Poultry litter distribution.** *LA Conservation Partnership*

## EQUIPMENT UPGRADES

- **Louisiana Irrigation and Dewatering Pump Conversion.** *LA Conservation Partnership*
- **Implementing a targeted incentive program to accelerate the widespread deployment of electric yard trucks in Louisiana.** *Ann Vail, Manies Brooks, Julie Brooks*
- **Green Land / lawn care for City and State contracts requiring electric- or human-powered equipment.** *Stephen C. Poss*

## FORESTRY & FOREST MANAGEMENT

- **Provide market-driven strategies to keep forest lands forested and encourage greater use of forest products for construction.** *Kyla Cheynet, Robby Toombs, Buck Vandersteen*
- **Utilization of low-value forest-based fiber to effect positive carbon outcomes.** *Kyla Cheynet, Robby Toombs, Buck Vandersteen*
- **Provide outreach and education on GHG mitigation to timberland owners.** *Robby Toombs, Kyla Cheynet, Buck Vandersteen*
- **Black Carbon: A particulate-phase greenhouse forcing.** *Dr. Alex Kolker*

# CONSERVATION & LAND USE

- **State Climate Mitigation Program for landowners.** *LDAF Office of Soil and Water Conservation*
- **Create a statewide framework and authority to guide land use practices and manage land use and natural systems holistically for coordinated decision-making.** *Camille Manning-Broome, Jeannette Dubinin, Kim Marousek, Rachelle Sanderson*
- **Floodplain, wetland, and riparian corridor conservation, restoration, and expansion.** *Justin Kozak*
- **Advancing Green Infrastructure to Combat Greenhouse Gas Emissions and to reduce Flood Risk.** *Water Wise Gulf South Policy and Advocacy Committee*
- **Offset Transportation Sector GHG Emissions through Natural Sequestration.** *Dr. Eric Kalivoda*
- **Soil as a carbon sink through increasing green spaces.** *Billie Golan*
- **Equal opportunity for landowners of Louisiana and Government Accountability Action Plan (Power Purchase Agreements).** *Dr. Terrence Chambers, Gregory Sique*



## COASTAL RESTORATION & BLUE CARBON

- **Leverage Carbon Offset Potential of Coastal Restoration Projects.** *Nathan McBride*
- **Augmenting State Monitoring Regimes for Blue Carbon.** *Tierra Foundation*
- **Blue Carbon Commercialization: Biogeochemical Model Development Phase II.** *Kosmos Energy LLC*
- **Coastal Marsh Restoration Using Re-purposed Materials of Opportunity for Carbon Sequestration & Community Resilience.** *Dr. E. deEtte Smythe, Sabrina Schenk, Carl Cleland*
- **Living Shorelines for Oxygen Creation.** *Randy Pausina*

## FINANCING APPROACHES

- **Establish a carbon credit system linked to the existing water quality trading program established in Louisiana.** *Andrew Mangan*
- **Funding public compost facilities with a fertilizer tax.** *Gulf Coast Center for Law & Policy*

# WASTE

- **Incentives for waste diversion (or disincentives for landfill).** *Monica Rowand*
- **Plastics Circular Economy: Plastics Recycling for use in Manufacturing & Industry Sector.** *Rhoman Hardy*
- **Bottles to Beaches (glass recovery).** *Randy Pausina*
- **Beneficial Use of Agricultural Wastes.** *LDAF Office of Soil and Water Conservation, LDEQ Solid Waste Division, LSU Ag Center, LSU SeaGrant*
- **Development of organics compost programs and incentives for sustainable and regenerative agriculture practices.** *Monica Rowand*
- **Support Composting and gardening efforts to reduce GHG.** *Jacob Pohlman*
- **Cargo hold wash water disposal.** *Jasmine Gorowara, Srinee Bajaj*

# FUELS

- **Increase the Development and Use of Renewable Natural Gas (RNG).** *Ann Vail, Sam Lehr*
- **Increase the Development and Use of Biodiesel and Renewable Diesel.** *Tyler Herrmann, Ann Vail*

# Categories of Sector Actions

- AGRICULTURE BEST PRACTICES
- EQUIPMENT UPGRADES
- FORESTRY & FOREST MANAGEMENT
- CONSERVATION & LAND USE
- COASTAL RESTORATION & BLUE CARBON
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# Next Steps

## Meeting Four:

Mid-September

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### Final review of Sector Strategies and Actions after Advisory Group Action Portfolio

- \* Note: this meeting will follow the Advisory Group second round of evaluation with Action Portfolios

## Homework:

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- Engage with Climate Task Force meetings in June and July.
- Updates via email on materials to prep for next meeting

# Public Comment

